

# ABSTRACT

A memory module controller for interfacing a plurality of memory device on a memory module with a system memory bus coupled to a system memory module. The memory module controller includes first interface circuitry and control logic. The first interface circuitry is configured to receive from the system memory bus a first memory transaction having a first format. The control logic is coupled to the first interface circuitry and generates a second memory transaction for the plurality of memory devices. The second memory transaction corresponds to the first memory transaction and has a second format different than the first format of the first memory transaction.